

## FINAL MINUTES

### **Minutes of the Tenth Meeting of the World Radiocommunication Conference 2003 (WRC-03) FCC Advisory Committee**

Date/Time: July 22, 2002 at 2:00 p.m.

Location: Federal Communications Commission  
6th Floor South Conference Room (6-B516)  
445 12th Street, S.W., Washington, D.C.

Committee Members Present: See Appendix 1

FCC Employees Present: See Appendix 2

Meeting Summary:

#### **1. Opening Remarks**

The Vice-Chair, Ms. Warren, opened the meeting by welcoming back those participants who attended last week's CITEL PCC.III Meeting and said that Mr. Fontes apologized for not being present at today's meeting.

#### **2. Approval of the Agenda**

Ms. Warren noted that there were two additions to the agenda for IWG-7. One was a draft proposal for WRC-03 Agenda Item 1.30d, Document **WAC/130(22.07.02)** and the other was a draft proposal for WRC-03 Agenda Item 7.2, Document **WAC/131(22.07.02)**. The agenda (Document **WAC/119(22.07.02)**) was approved with the addition of the two draft proposals from IWG-7.

#### **3. Approval of the Minutes of the Ninth Meeting**

The draft minutes of the ninth meeting of the WRC-03 Advisory Meeting (Document **WAC/118(22.07.02)**) were approved with edits.

#### **4. Status of Preliminary Views and Proposals**

Mr. Roytblat introduced Document **WAC/056(22.06.02)** that showed the progress of the preliminary views and draft proposals. He added that the documents sent to CITEL were reflected in the document. He then reviewed the status of each of the WRC-03 agenda items and

concluded by asking the attendees to contact him if they noted any omissions.

Mr. Vorhies of NTIA remarked that draft proposals for WRC-03 Agenda Items 1.16 and 1.32 would be considered at tomorrow's IRAC meeting. He said that NTIA was still working on the draft proposal for WRC-03 Agenda Item 1.8.2.

## **5. Reports from regional WRC-2003 Preparatory Meetings**

Mr. Roytblat reported that the results of the 3rd APT CPG Meeting was available in Document **WAC/120(22.07.02)** and that the minutes of the CEPT ERO CPG-3-4 Meeting were contained in Document **WAC/121(22.07.02)**. He then briefly reviewed the results of last week's CITEL PCC.III meeting and noted that 70 draft Inter-American Proposals (IAPs) were approved. Once six or more countries signed on to a draft IAP, it became a proposed IAP. So far, a few "draft" IAPs had become "proposed" IAPs.

## **6. NTIA Draft Preliminary Views and Proposals**

Four letters from NTIA (Documents **WAC/122(22.07.02)**, **WAC/123(22.07.02)**, **WAC/124(22.07.02)**, and **WAC/125(22.07.02)**) forwarding NTIA approved draft proposals for WRC-03 Agenda Items 1.30d, 1.3, 1.12a, and 7.2, respectively, were noted and had been circulated to the IWGs for their review and comments. Mr. Vorhies, NTIA, remarked that a couple more draft proposals would be coming. Ms. Warren commented that the next meeting of the advisory committee would be important for moving U.S. proposals forward and emphasized the need for IWG comments on NTIA's draft proposals.

## **7. IWG Reports and Consideration of Preliminary Views or Draft Proposals**

### **IWG-1 IMT-2000 and Terrestrial Wireless Interactive Multimedia**

Mr. Wye, Vice-Chair of IWG-1, reported that IWG-1 held one meeting since the last advisory committee meeting and that the members had been in Ottawa attending the ITU-R WP 8F meeting. There were no proposals to present at today's meeting. He said the group had been mainly monitoring international meetings but now needed to consider whether or not there was a need for proposals. No meetings have been scheduled, but he expected that one or two meetings would be held before the next advisory committee meeting.

### **IWG-2 Mobile-Satellite Service including GPS**

Mr. Baruch, Chair of IWG-2, reported that his group held one meeting since the last meeting of the advisory committee and approved a new draft proposal for WRC-03 Agenda Item 1.16 that he was presenting at today's meeting. The proposal consisted of two parts, one for uplinks (1390-1393 MHz) and the other for downlinks (1429-1432 MHz) that would be coordinated under No. 9.11A.

Mr. Lewellen, speaking for the U.S. Army, referred to page two of the document, five lines down the first paragraph under (b). He noted that this page seems to involve an uplink band and said it wasn't clear how sharing with radiolocation would take place so that radiolocation would be protected. He said that he was just trying to understand the intent of the words. Ms. Mahoney said that the paper had gone through the group and that protection would be accomplished by geographic location. If he wanted to know the intent of the words, she could discuss that outside the meeting.

Agenda Item 1.16: Document **WAC/126(22.07.02)**, a draft proposal, was approved.

Mr. Baruch spoke on the remaining agenda items assigned to IWG-2. He said that there would be no proposal for WRC-03 Agenda Item 1.15 on Resolution 604. With regard to WRC-03 Agenda Item 1.20, IWG-2 had no proposal nor did he expect a proposal. On WRC-03 Agenda Item 1.31 concerning additional spectrum in the MSS bands, he noted some interest on the part of the radio astronomy community. Mr. Vorhies of NTIA said that he expected an RCS view on this.

No further meetings were scheduled.

### **IWG-3 Fixed-Satellite Service/Broadcasting-Satellite Service**

Ms. Creaser, Vice-Chair of IWG-3, reported that her group had no meetings since the last meeting of the advisory committee and summarized the group's work on its assigned WRC-03 agenda items. The working group would have a proposal on WRC-03 Agenda Item 1.35 when the Radiocommunication Bureau distributes its report. In regard to Agenda Item 1.34, IWG-3 did not plan to have a proposal on the technical issues since this is a Region 1 and 3 issue and technical studies were still ongoing. She noted that proposals were still needed for WRC-03 Agenda Items 1.29 (Resolution 136 portion) and 1.27 (BSS plans).

The next meeting of IWG-3 has not been scheduled.

### **IWG-4 Fixed Service/Fixed-Satellite Service Sharing**

Mr. Wengryniuk, Chair of IWG-4, reported that his group held one meeting where WRC-03 Agenda Items 1.13 and 1.25 were discussed. The discussions on a proposal for Agenda Item 1.13 would continue in a small group that meets next week and at its meeting on July 30. Agenda Item 1.18 would also be discussed, but it appeared that this item would not be going anywhere since the advocates in Europe had lost interest. As a result of preparations for CITEL and the meeting of the Special Committee, his group had updated the draft proposal

for WRC-03 Agenda Item 1.25 that would be presented at today's meeting. The draft proposal on ESVs (Agenda Item 1.26) had come out of the reconciliation process, and the additional draft proposal approved at the last advisory committee meeting was now in reconciliation. Two pieces of WRC-03 Agenda Item 1.32 were also approved at the last meeting of the advisory committee and were now in the reconciliation process. The following updated document was presented:

Agenda Item 1.25: Document **WAC/087rev1(22.07.02)**, updated draft proposal was approved.

#### **IWG-5 5 GHz, 13.75-14 GHz and Maritime Issues**

Mr. Jansky, Chair of IWG-5, reported that his group had held one meeting since the last meeting of the Advisory Committee where they finished the last of the agenda items assigned. In reviewing the proposal for WRC-03 Agenda Item 1.24 from NTIA, IWG-5 offered its own proposal (with two options) that reflected the views of the U.S. satellite industry (Document **WAC/127(22/07.02)**). Alex Latker, representing the Department of Defense (Navy), noted on page three of the document that radiolocation systems were protected on the basis of one antenna, and he remarked that some radiolocation systems were protected on the basis of two antennas. He appreciated the considerable effort that had gone into the document, and his comments were noted.

Agenda Item 1.24: Document **WAC/127(22.07.02)**, draft proposal was approved.

#### **IWG-6 Public Protection and Other Issues**

Mr. Ireland, Vice-Chair of IWG-6, reported that two meetings were held since the last meeting of the advisory committee. Two draft proposals for the remaining WRC-03 agenda items assigned to the group had been approved in IWG-6 and were ready to be presented. In regard to WRC-03 Agenda Item 1.3, IWG-6 had reviewed the NTIA document and noted that this document came to the same conclusion as the IWG-6 document (i.e, no change) with the reasons being slightly different. The group had no problem with the NTIA document, and Mr. Ireland felt that the respective documents could be blended together. The advisory committee took the following actions on the documents presented:

Agenda Item 1.3: Document **WAC/128(22.07.02)**, draft proposal was approved.

Agenda Item 1.36: Document **WAC/129(22.07.02)**, draft proposal was approved.

Mr. Ireland stated that IWG-6 reviewed NTIA's proposal for WRC-03 Agenda Item 1.12a and had no objection to the document. He noted that this concluded the work of IWG-6, but the group would continue to review any documents received from NTIA and handle by correspondence.

## **IWG-7**

### **Regulatory Issues and Future Agendas**

Ms. Allison, Chair of IWG-7, reported that IWG-7 would have more work as a result of the recent meetings of the Special Committee and CITEL. The group met once since the last advisory committee meeting, and had a meeting scheduled for Monday, July 29.

She noted that two NTIA letters contained proposals of interest to IWG-7 concerning WRC-03 Agenda Items 1.30d and 7.2, the latter of which would be considered at Monday's meeting. IWG-7's draft proposals for WRC-03 Agenda Items 1.30d (similar to the NTIA proposal) and 7.2 were presented:

Agenda Item 1.30d: Document **WAC/130(22.07.02)**, draft proposal was approved.

Agenda Item 7.2: Document **WAC/131(22.07.02)** – Mr. Roytblat indicated that the proposal could not stand on its own because a resolution was needed to go along with the proposal. Mr. Lewellen advised that a resolution would be developed. After some discussion, it was decided to table this item until the next meeting so that the complete package could be considered.

Ms. Allison briefly reviewed the status of all the WRC-03 agenda items assigned to IWG-7. A draft proposal for Agenda Item 1.1 had been previously approved by the advisory committee and was considered done. Agenda Item 1.30 was becoming broader as time goes on and would continue to receive attention in IWG-7. A preliminary view was approved for Agenda Item 2, but no draft proposal was expected. Agenda Item 3 was not viewed as needing consideration. Agenda Item 4 involved a review of all the Resolutions and Recommendations and was considered as a matter for a position paper. With respect to Agenda Item 7.1, the Special Committee on Regulatory and Procedural Matters took action on Resolutions 46 and 49; this was discussed at the last IWG-7 meeting, and a proposal may result. She concluded by noting that CITEL had proposals that might be of interest for U.S. proposals.

## **7. Future Meetings**

Ms. Warren reported that CITEL PCC.III had decided to move their proposed September meeting to November 11-14, 2002 and hold it in Guayaquil, Ecuador in the week before the Conference Preparatory Meeting (CPM) starts. In light of this development, the next meeting of

the advisory committee would be held on September 5, 2002 (in lieu of August 22) from 2 to 4 p.m. in the Commission Meeting Room. It was noted that there was a meeting of NTIA's Radio Conference Subcommittee (RCS) on that morning. It was planned to hold the final meeting of the advisory committee in the first or second week following the Plenipotentiary Conference.

## 8. Other Business

Mr. Roytblat said that he would update the Preparatory Timeline (Document **006(22.07.02)**) with respect to the change of the date of the CITEL PCC.III meeting that was distributed for this meeting.

It was desired to get as many U.S. proposals to the November CITEL meeting as possible to ensure that they can become a part of CITEL's proposal package that would be sent to Geneva.

It was noted that the U.S. was considering the possibility of hosting the February meeting of CITEL PCC.III in Orlando; however, no commitment had been made by the U.S. at this point.

With no further business, the meeting adjourned at 3:00 p.m.

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## Documents Distributed:

|             |  |
|-------------|--|
| WAC/006     | Updated WRC-03 Preparatory Timeline (22.07.02)                         |
| WAC/056     | Updated Status of Preliminary Views and Proposals (22.07.02)           |
| WAC/087rev1 | Updated Draft Proposal from IWG-4 for WRC-03 Agenda Item 1.25          |
| WAC/118     | Draft Minutes of the 9 <sup>th</sup> WRC-03 Advisory Committee Meeting |
| WAC/119     | Proposed Agenda for 10 <sup>th</sup> WAC-03 Advisory Committee Meeting |
| WAC/120     | Report on the 3rd APT CPG Meeting                                      |
| WAC/121     | Minutes of the CEPT ERO CPG-3-4 Meeting                                |
| WAC/122     | NTIA letter (6/24/02) with Draft Proposal for WRC-03 Agenda Item 1.30d |
| WAC/123     | NTIA letter (7/2/02) with Draft Proposal for WRC-03 Agenda Items 1.3   |
| WAC/124     | NTIA letter (7/5/02) with Draft Proposal for WRC-03 Agenda Item 1.12a  |
| WAC/125     | NTIA letter (7/10/02) with Draft Proposal for WRC-03 Agenda Item 7.2   |
| WAC/126     | Draft Proposal from IWG-2 for WRC-03 Agenda Item 1.16                  |
| WAC/127     | Draft Proposal from IWG-5 for WRC-03 Agenda Item 1.24                  |
| WAC/128     | Draft Proposal from IWG-6 for WRC-03 Agenda Item 1.3                   |
| WAC/129     | Draft Proposal from IWG-6 for WRC-03 Agenda Item 1.36                  |
| WAC/130     | Draft Proposal from IWG-7 for WRC-03 Agenda Item 1.30d                 |
| WAC/131     | Draft Proposal from IWG-7 for WRC-03 Agenda Item 7.2                   |

**MINUTES**  
**Appendix 1**  
**WRC-03 Advisory Committee Attendance**  
**Tenth Meeting – July 22, 2002**

| <b>Last Name</b> | <b>First Name</b> | <b>Occupation Or Affiliation</b>                           |
|------------------|-------------------|--|
| Allison          | Audrey            | Connexion by BoeingSM                                      |
| Baruch           | Steve             | Leventhal, Senter  |
| Baum             | Kimberly          | SES Americom   |
| Bethea           | Donna             | PanAmSat   |
| Botwin           | Matt              | PanAmSat   |
| Creaser          | Giselle           | Telecomm Strategies  |
| Crenshaw         | Ralph             | Final Analysis   |
| Fisher           | Ben               | Shaw Pittman   |
| Hutchison        | Kris              | Aeronautical Radio, Inc.                                   |
| Ireland          | Walt              | ARRL   |
| Jansky           | Don               | Jansky/Barmat.com  |
| Kubik            | Rob               | Motorola   |
| Latker           | Alex              | Philip A. Rubin Assoc.                                     |
| LeClair          | Roger             | for DOD  |
| Lewellen         | Mark              | SFA for U.S. Army & Sky Station                            |
| Lynch            | Michael           | Nortel Networks  |
| Lyons            | John              | Motorola   |
| Mahoney          | Patricia          | Final Analysis   |
| Miller           | Edward            | Consultant, Final Analysis                                 |
| Mitchell         | Michael W.        | Consultant, Space Technology                               |
| Palmer           | L. M.             | PalmTelCom   |
| Rappoport        | Eugene            | Winstar  |
| Starks           | Dennis            | American Association of Railroads                          |
| Vorhies          | Jim               | National Telecommunications and Information Administration |
| Warren           | Jennifer          | Lockheed Martin  |
| Weaver           | Frank C.          | Boeing   |
| Weinreich        | David             | GlobalStar, L.P.   |
| Wengryniuk       | Jack              | HNS  |
| Wye              | David             | AT&T Wireless  |

**MINUTES**  
**Appendix 2**  
**WRC-03 Advisory Committee – FCC Representatives**  
**Tenth Meeting – July 22, 2002**

| <b>Last Name</b> | <b>First Name</b> |
|------------------|-------------------|
| Abelson          | Don               |
| Armstrong        | Linda             |
| Christianson     | Donna             |
| Dubroof          | Linda             |
| Gerr             | Pamela            |
| Kotler           | Scott             |
| Marrangoni       | Paul              |
| Murphy           | Chris             |
| Patterson        | Rockie            |
| Roytblat         | Alex              |
| Weiland          | Donald            |
| Wolf             | Marcus            |